

20030908.qrp v03_n037.qrl.20030908

Date: Mon, 8 Sep 2003 19:03:04 EDT
From: qrp-1@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: QRP-L digest 3037

QRP-L Digest 3037

Topics covered in this issue include:

- 1) [157496] Announcing the PAC-12 antenna kit
by "J. Bennett" <jwbennett@sprintmail.com>
- 2) [157497] Re: LOUSY idea!!!
by Bruce Muscolino <w6toy@erols.com>
- 3) [157498] Re: LOUSY idea!!!
by "Mike Yetsko" <myetsko@insydesw.com>
- 4) [157499] Re: Monthly QRP Field Day operating suggestions !
by "DTX" <dtx@wood.tzo.com>
- 5) [157500] Elmer Question: Bi-filar balun
by "Tom Mc" <thom2@worldnet.att.net>
- 6) [157501] Re: QRP Field day !
by Tom Severt <n2uhc@yahoo.com>
- 7) [157502] Re: LOUSY idea!!!
by <wallenpb@earthlink.net>
- 8) [157503] Re: Field Day once a month.
by Lloyd Lachow <llachow@yahoo.com>
- 9) [157504] Re: LOUSY idea!!!
by "Bill Rowlett" <kc4atu@hotmail.com>
- 10) [157505] Re: SuSE 8.2 discs available
by "Bill Rowlett" <kc4atu@hotmail.com>
- 11) [157506] Sunday night net
by "Jerry Ford" <benlightnd13@mchsi.com>
- 12) [157507] Re: qrp field day aka Spartin Sprint II
by Lloyd Lachow <llachow@yahoo.com>
- 13) [157508] Re: SuSE 8.2 discs available
by Jim Eshleman <jce0@Lehigh.EDU>
- 14) [157509] Re: LOUSY idea!!!
by "Mike Yetsko" <myetsko@insydesw.com>
- 15) [157510] Re: [fpqrp] Sunday night net
by Lloyd Lachow <llachow@yahoo.com>
- 16) [157511] Re: Elmer Question: Bi-filar balun
by "Nick Kennedy" <nkennedy@tcinternet.com>
- 17) [157512] transistor question
by KU4YP <ku4yp@earthlink.net>
- 18) [157513] moxon
by Joel M Denison <hamjoel@juno.com>
- 19) [157514] dx at last...

- by Joel M Denison <hamjoel@juno.com>
- 20) [157515] Re: [fpqrp] Sunday night net
by Mark Hogan <n5obc@yahoo.com>
- 21) [157516] OT Help, Bendix Synchro RxTx
by J38AL@aol.com
- 22) [157517] Ten Tec Argo V Power output?
by "NZ8J" <nz8j@woh.rr.com>
- 23) [157518] Building the NJQRP DDS
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 24) [157519] Popcorn noise
by joe living <jliving2001@yahoo.com>
- 25) [157520] Re: Building the NJQRP DDS
by "steve" <swells244@bellsouth.net>
- 26) [157521] Re: OT Help, Bendix Synchro RxTx
by Brad Thompson <Brad.Thompson@valley.net>
- 27) [157522] Re: Popcorn noise
by "Dave Martin" <k2zu@seanet.com>
- 28) [157523] Concerns about SuSE 8.2 discs being available on QRP-L
by Jim Larsen <JimLarsen2002@alaska.net>
- 29) [157524] Re: Concerns about SuSE 8.2 discs being available on QRP-L
by Jim Eshleman <jce0@Lehigh.EDU>
- 30) [157525] Re: OT Help, Bendix Synchro RxTx
by Peter Burbank <peterlee@qx.net>
- 31) [157526] Re: Ten Tec Argo V Power output?
by "Steve Yates - AA5TB" <aa5tb@arrl.net>
- 32) [157527] CW learning programs for redhat/linux??
by Rob Craver <kd7snx@earthlink.net>
- 33) [157528] Major Donation for Kits for Kids!!
by "Doug Hendricks" <ki6ds@dospalos.org>
- 34) [157529] Re: Elmer Question: Bi-filar balun
by "George, W5YR" <w5yr@att.net>
- 35) [157530] Re: Elmer Question: Bi-filar balun
by "Leon Heller" <leon_heller@hotmail.com>
- 36) [157531] Re: Popcorn noise
by "Leon Heller" <leon_heller@hotmail.com>
- 37) [157532] Re: Building the NJQRP DDS
by "Leon Heller" <leon_heller@hotmail.com>
- 38) [157533] Re: CW learning programs for redhat/linux??
by Karl Larsen <k5di@zianet.com>
- 39) [157534] Re: transistor question
by "E. Roswell" <eroswell@monmouth.com>
- 40) [157535] Re: Can you "test in" quality? (was: Re: Standard Integrated
Circuits..How Standard is Standard??)
by Bruce Muscolino <w6toy@erols.com>
- 41) [157536] Re: Major Donation for Kits for Kids!!
by "John Harper AE5X" <john@ae5x.com>
- 42) [157537] Dilbert
by "Frank" <fking@oregonvos.net>

- 43) [157538] re:qrp field day aka Spartin Sprint II
by Michael Babineau <michael.babineau@sympatico.ca>
- 44) [157539] Re: Dilbert
by "Mike Yetsko" <myetsko@insydesw.com>
- 45) [157540] Re: Bifilar baluns
by "Bob Tellefsen" <n6wg@earthlink.net>
- 46) [157541] Help! Elmer Needs Switches
by kizerian@xmission.com
- 47) [157542] Re: SPICE simulation controversy
by "Glen Leinweber" <leinwebe@mcmail.cis.mcmaster.ca>
- 48) [157543] Here Piggie
by "Jerry Ford" <benlightnd13@mchsi.com>
- 49) [157544] Re: Bifilar baluns
by "Leon Heller" <leon_heller@hotmail.com>
- 50) [157545] X-Beams Users- Info Needed
by Howard Friedman <haf47@juno.com>
- 51) [157546] Awsome QSO
by "Jerry Ford" <benlightnd13@mchsi.com>
- 52) [157547] DDS Experimenters Kit - Anybody Else want one? (kinda long)
by John Farnsworth <jfarnsworth@direcway.com>
- 53) [157548] Re: Ten Tec Argo V Power output?
by Bob Sellars <kb2fel@yahoo.com>
- 54) [157549] Re: X-Beams Users- Info Needed
by "M. J. Powell" <mike@pickmere.demon.co.uk>
- 55) [157550] Re: HOMEBREWER issue #1 sold out
by kizerian@xmission.com
- 56) [157551] Re: White Mountain, Freq-Mite & AGC
by "Noyce, Bill" <william.noyce@hp.com>
- 57) [157552] Re: dx at last...
by "Howard Kraus" <K2UD@adelphia.net>
- 58) [157553] Re: HOMEBREWER issue #1 sold out
by "John J. McDonough" <wb8rcr@arrl.net>

Date: Sun, 07 Sep 2003 15:28:10 -0700
From: "J. Bennett" <jwbennett@sprintmail.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [157496] Announcing the PAC-12 antenna kit
Message-ID: <3F5BB0FA.60303@sprintmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

All,
Thanks to all the requests and interest in the PAC-12 antenna design, we
are happy to
announce a kit version of the PAC-12 portable antenna system.

The original PAC-12 construction article appears on the NJQRP website:

<http://www.njqrp.org/pac-12/index.html>

The PAC-12 antenna kit features all CNC machined parts and allows you to build the antenna for the HF band of your choice.

It is a modular design and can be built as is or serve as a platform for antenna experimentation.

The antenna packs down to a bit over 12" and weighs approximately 1 pound including the radials and ground spike.

When deployed, it is 8.5ft in height.

The antenna can also be used on 6 and 2 meters just by collapsing the telescoping whip.

The center insulator design allows easy deployment as a dipole, with a second antenna element.

We will shortly have available additional coil kits and in the near future, a multiband coil.

We plan to start accepting orders in approximately 1 to 2 weeks and we will make an announcement at that time.

Please see our website for more information on the PAC-12 antenna kit:

<http://www.pacificantenna.com/>

Thank you,
James Bennett
KA5DVS

Date: Sun, 07 Sep 2003 18:31:51 -0400
From: Bruce Muscolino <w6toy@erols.com>

To: jsielke@pobox.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [157497] Re: LOUSY idea!!!
Message-ID: <3F5BB1D7.22E89B77@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey, I'll support John on this one. I think a QRP field day or a Saturday Spartan Sprint makes as much sense as going out to the middle of nowhere and being bitten by bugs in June. Are June bugs really any better?

73

Date: Sun, 7 Sep 2003 18:53:19 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <kc8aon@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [157498] Re: LOUSY idea!!!
Message-ID: <00e701c37592\$d6248b20\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I always felt that a skeet range that was 90 degrees to a driving range
> would be
> neat ! FOUUURRRR - BOOM ! <snicker>
>

I used to run the shotgun range at a Boy Scout camp. One year I talked to one of the scoutmasters to bring his clubs and a bucket of old balls...

Date: Sun, 7 Sep 2003 16:28:21 -0700
From: "DTX" <dtx@wood.tzo.com>
To: <wallenpb@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [157499] Re: Monthly QRP Field Day operating suggestions !
Message-ID: <002a01c37597\$bbd955c0\$0c00a8c0@home>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have often wondered about that. For modes like PSK31 is it power in TUNE or power at IDLE? For modes like MFSK16 it is the same but PSK31 is almost a 2 to 1 difference on my meter.

Gary WA6DTX

----- Original Message -----

From: <wallenpb@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Sunday, September 07, 2003 11:35 AM

Subject: Re: Monthly QRP Field Day operating suggestions !

> With reference to:
> "All operation should be done at or below QRP power levels. This
> would be 5 watts and below for CW, and 10 watts and below for SSB.
You
> digital operators can make power level suggestions for modes like PSK,
RTTY,
> Packet etc."
>
> I have understood, and have been using, 5 watts or less for QRP in any of
> the digital modes. Some of them have even better resolution on 5 watts
than
> CW does. Is there an "official" statement anywhere on this?
>
> 72 es oo,
> WA5PB
> Bill Allen
>
[snipped]

Date: Sun, 7 Sep 2003 19:42:50 -0400
From: "Tom Mc" <thom2@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [157500] Elmer Question: Bi-filar balun
Message-ID: <00c701c37599\$c1eebac0\$77d7580c@x2f6a2>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi gang and thanks in advance for any help you may offer on this,

I am building a St. Louis Tuner (Yes, I bought it seven years ago and I'm just getting around to building it) and have come to the step which tells me to wind a bi-filar 1:4 balun. I've wound it and all is ok, but my question has to do with the connecting the 4 ends of the two wires to themselves. Here is how the instructions read:

"Call one wire A and the other wire B. You will take the start of wire A and twist and connect it to the end of wire B, the other wire." It then goes on to tell you to strip and solder the the two wires together.

If I am reading this correctly, it seems that I am NOT connecting the two wires than are "next to" each other at the end of the toroid. But rather it seems I should take one of the wires from one end of the toroid (I'll call it the 'left' side if I'm laying the toroid flat in front of me) and connect it to the other wire where it is at the other end (I'll call that the 'right side').

Am I understanding this correctly?

Thanks for your help on this,

Tom McCulloch, WB2QDG

PS - I now can appreciate that I should have used one red and green wire -- If I had done this, would they have had to be the same gauge? That is, could I have used a 26 guage red and a 22 gauge green enamel wire, if that's what I had on hand?

tnx
Tom

Date: Sun, 7 Sep 2003 16:44:13 -0700 (PDT)
From: Tom Severt <n2uhc@yahoo.com>
To: pwhelton@earthlink.net,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [157501] Re: QRP Field day !
Message-ID: <20030907234413.12500.qmail@web9607.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

>> Anyone interested, just get out in the field and
>> operate on the last
>> Saturday of each month.

The Four State QRP Group has been doing just that for about a year now, though on the third Saturday of each month. We meet at Barney's in Seneca, MO for lunch, then go to the town park & set up & operate. No formalities, just fun.

www.4sqr.com

=====

Tom Severt N2UHC
<http://www.geocities.com/n2uhc>

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<http://sitebuilder.yahoo.com>

Date: Sun, 7 Sep 2003 18:43:46 -0500
From: <wallenpb@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [157502] Re: LOUSY idea!!!
Message-ID: <004401c37599\$e3881be0\$0201a8c0@billalle>

Cool! I have always wondered if anyone ever actually did that. It has always seemed like a completely obvious thing to do. :-D

WA5PB
Bill Allen

----- Original Message -----

From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, September 07, 2003 17:53 PM
Subject: Re: LOUSY idea!!!

> I always felt that a skeet range that was 90 degrees to a driving range
> would be

> neat ! FOUUURRRR - BOOM ! <snicker>
>

I used to run the shotgun range at a Boy Scout camp. One year I talked to one of the scoutmasters to bring his clubs and a bucket of old balls...

Date: Sun, 7 Sep 2003 17:14:34 -0700 (PDT)
From: Lloyd Lachow <llachow@yahoo.com>
To: ve3ab@mail.mondenet.com,
 Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [157503] Re: Field Day once a month.
Message-ID: <20030908001434.80764.qmail@web41009.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- ve3ab@mail.mondenet.com wrote:
> I think its a good idea. Especially when us baby
> boomers are
> approaching retirement age. Would be good to combine
> it with the
> exercise we are supposed to be getting.

Hear, hear!! Great idea.

=====
73, 72 es oo, Lloyd, K3ESE - Reisterstown, Maryland
multiPIG+ #14 - K1 # 00379 - 20/40M Rock-Mites
Hunk o' Wahr - Begali Magnetic Classic Paddles
ARRL - ARS - QRParci - QCWA - FISTS #8774
FPQRP #476 - QRP-L - BORG #2
Fun = Skill / Power ! 8^D

Do you Yahoo!?
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<http://sitebuilder.yahoo.com>

Date: Mon, 08 Sep 2003 00:25:54 +0000
From: "Bill Rowlett" <kc4atu@hotmail.com>

To: w6toy@erols.com, qrp-1@Lehigh.EDU
Subject: [157504] Re: LOUSY idea!!!
Message-ID: <Law15-F19dsR4XA1Mg800037617@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hay, I'll support John too and who ever it was back at the beginning of this mess who said to just get outside and operate. You do not have to put a name on it for it to be fun. The ARS and the boys in EPA have been after us for years with some neat operating events. The main thing is to pick up the rig and a dipole or random wire and go outside and operate. Life is not just a contest, the one with the most toys does not win anything.

Bruce, are June bugs better? They are bigger, and therefore you could bit him back.

Outside, operate, have fun.

73, Bill kc4atu

Need more e-mail storage? Get 10MB with Hotmail Extra Storage.
<http://join.msn.com/?PAGE=features/es>

Date: Mon, 08 Sep 2003 00:37:08 +0000
From: "Bill Rowlett" <kc4atu@hotmail.com>
To: mjmanship@iquest.net, qrp-1@Lehigh.EDU
Subject: [157505] Re: SuSE 8.2 discs available
Message-ID: <LAW15-F100L3QGqeSiq000373c3@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

You know, I find it hard to see this as having anything to do with radio or QRP activities.

Before you say I am nuts, I just go by the fact that some of you complain about CW as a topic and also about the ARRL as a topic. Both of which are related to radio and QRP.

So, enough, take you operating system off this reflector. You may be reported to Mr. G.

--... -- --. -.- -.- -.- -.- -.-

>From: Mike Manship <mjmanship@iquest.net>
>Reply-To: mjmanship@iquest.net
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: SuSE 8.2 discs available
>Date: Sun, 07 Sep 2003 13:56:13 -0500
>
>I have a couple sets of CDRs ready to be mailed to the
>first two who respond. You know the drill.....you make two
>copies and offer them up for a couple of others.
>
>Included with the standard 5 discs is a Live Eval disc.
>You set your computer to boot up on the CDRom drive
>and then boot up with the Live Eval disc and you can
>run SuSE without a complete install to see if you want
>to install the whole thing.
>
>73 de Mike W90J
>
>

Compare Cable, DSL or Satellite plans: As low as \$29.95.
<https://broadband.msn.com>

Date: Sun, 7 Sep 2003 17:41:10 -0500
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-1" <qrp-1@lehigh.edu>, "FPigs" <fpqrp-1@mpna.com>
Subject: [157506] Sunday night net
Message-ID: <059301c37591\$232152c0\$0077da0c@mchsi.com>

Mikey:

Are we going to have net tonight??

I've been all over looking for PSK piggies and I haven't found any of them. 20 and 40 have several folks on but no piggies that I can find. Looks like Juan is having the same problem.

Anybody around for a net tonight??

72 es oo Jerry N0JRN
FP # 546, ARS # 923, ARCI # 11049, ARRL,
Springfield, Mo. <http://home.mchsi.com/~n0jrn/>
MP + # 8, K 1 # 608, SW 20 +, TT 1340 , RM 20 &
40, Tiny Tornado 20, 30, 40, 80, SMK - 1

and so on and so on

Date: Sun, 7 Sep 2003 17:41:42 -0700 (PDT)
From: Lloyd Lachow <llachow@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [157507] Re: qrp field day aka Spartin Sprint II
Message-ID: <20030908004142.97774.qmail@web41007.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Steven Weber <kd1jv@moose.ncia.net> wrote:
> Seeing how popular the monthly Spartin Spint is, how
> about a Saturday
> afternoon version too? Could be the done on the last
> Sat of the month.
> Though actually, I'd prefer Sunday, as I'm usually
> busy on Saturdays and it
> won't conflict so much with other contests.

...Sunday afternoon's a tough time for us with
kids, though...I couldn't make but one or two of the
Fox Hunts as a Hound this Summer, f'rinstance, 'cause
it was always family time...

=====
73, 72 es oo, Lloyd, K3ESE - Reisterstown, Maryland
multiPIG+ #14 - K1 # 00379 - 20/40M Rock-Mites
Hunk o' Wahr - Begali Magnetic Classic Paddles
ARRL - ARS - QRParci - QCWA - FISTS #8774
FPQRP #476 - QRP-L - BORG #2
Fun = Skill / Power ! 8^D

Do you Yahoo!?
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<http://sitebuilder.yahoo.com>

Date: Sun, 07 Sep 2003 20:54:11 -0400
From: Jim Eshleman <jce0@Lehigh.EDU>
To: kc4atu@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [157508] Re: SuSE 8.2 discs available
Message-ID: <3F5BD333.1020500@Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Agreed. There is a list setup just for this purpose:

<https://lists.lehigh.edu/mailman/listinfo/qrplinux-l>

> You know, I find it hard to see this as having anything to do with radio
> or QRP activities.
>
> Before you say I am nuts, I just go by the fact that some of you
> complain about CW as a topic and also about the ARRL as a topic. Both of
> which are related to radio and QRP.
>
> So, enough, take you operating system off this reflector. You may be
> reported to Mr. G.

Date: Sun, 7 Sep 2003 20:50:29 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <wallenpb@earthlink.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [157509] Re: LOUSY idea!!!
Message-ID: <002801c375a3\$34fcaf00\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Cool! I have always wondered if anyone ever actually did that. It has
> always seemed like a completely obvious thing to do. :-D
>
> WA5PB
> Bill Allen

Well, we didn't get to do it. One thing or another always got in the way.

We came up with the idea because I was making runs of clays and not missing any. (I was really dialed in that summer!) Anyway, my friend was looking for a way to make it harder, and I wanted the challenge.

I figured the ONLY safe way to do it was to have him a few feet behind me and off to the right. He's right handed, so he could hit safely from

there without a chance of me getting beamed by the ball. And he would be behind the plain of my muzzle. Only gotcha was what if he slips with the club?

Anyway, after that, I took the K2 to camp, and didn't run the shotgun range any more...

Mike

Date: Sun, 7 Sep 2003 17:49:59 -0700 (PDT)
From: Lloyd Lachow <llachow@yahoo.com>
To: Jerry Ford <benlightnd13@mchsi.com>, qrp-l <qrp-l@Lehigh.EDU>, FPigs <fpqrp-l@mpna.com>
Subject: [157510] Re: [fpqrp] Sunday night net
Message-ID: <20030908004959.9321.qmail@web41008.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Jerry Ford <benlightnd13@mchsi.com> wrote:

> Anybody around for a net tonight??

ya, sure, you betcha.

oo

Do you Yahoo!?
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<http://sitebuilder.yahoo.com>

Date: Sun, 7 Sep 2003 20:23:05 -0700
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: <thom2@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [157511] Re: Elmer Question: Bi-filar balun
Message-ID: <00fd01c375b8\$84c4d430\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yes, you have it right. Some diagrams show polarity dots. Where they do, you'll notice that a dotted end is connected to an undotted end. With bifilar windings, the two wires emerging at one end of the winding (either end, you pick) are dotted and the other two are undotted. The center of the transformer (balun) has one of each connected together.

It would make sense to have the wires the same gauge, but I'm not sure I've never had 'em off by a number, so I could use different colors. But purists are going to cringe and possibly try to burn you at the stake, so be careful.

72 & happy winding--

Nick, WA5BDU

----- Original Message -----

From: "Tom Mc" <thom2@worldnet.att.net>

> Hi gang and thanks in advance for any help you may offer on this,
>
>
> "Call one wire A and the other wire B. You will take the start of wire A
> and twist and connect it to the end of wire B, the other wire." It then
> goes on to tell you to strip and solder the the two wires together.
>
>
> If I am reading this correctly, it seems that I am NOT connecting the two
> wires than are "next to" each other at the end of the toroid. But rather
it
> seems I should take one of the wires from one end of the toroid (I'll call
> it the 'left' side if I'm laying the toroid flat in front of me) and
connect
> it to the other wire where it is at the other end (I'll call that the
'right
> side').

Date: Sun, 07 Sep 2003 21:21:18 -0400

From: KU4YP <ku4yp@earthlink.net>

To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [157512] transistor question

Message-ID: <5.2.1.1.0.20030907211949.009ec330@pop3.norton.antivirus>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

hello,

is a 2n3391a the same or a replacement for a 2n2222a? can't find it on the net. tn timer ku4yp

Michael D. Prevatt "Real Radios Glow in the Dark"
Amateur Callsign: KU4YP Advanced Operator
Lakeland, Florida
Home Page: <http://home.earthlink.net/~ku4yp/>
"What other dungeon is so dark as One's own heart?
What jailer so inexorable as One's own self?"
Nathaniel Hawthorne

Date: Sun, 7 Sep 2003 21:46:16 -0400
From: Joel M Denison <hamjoel@juno.com>
To: fpqrp-1@mpna.com, qrp-1@Lehigh.EDU
Subject: [157513] moxon
Message-ID: <20030907.214617.-244149.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I had one of those rare hour + qso's with AB2GK Jeff in ny tonite...

59 both ways... solid copy whole qso...

and he was off the back of the moxon....

I flipped to the other moxon and he would be louder...however we had no problems off the back of the european moxon...

speaking dx, where did all the europeans geaux? hey guys, i'm ready to rumble

got the ant up, k2 all settled into its new desk... let's roll guys...

hee hee...

anyhow the moxon seems to work just fine....

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Sun, 7 Sep 2003 21:52:34 -0400
From: Joel M Denison <hamjoel@juno.com>

To: fpqrp-1@mpna.com, qrp-1@Lehigh.EDU
Subject: [157514] dx at last...
Message-ID: <20030907.215234.-244149.1.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

just worked f9oq F90Q
CROSSED THE POND ON A MOXON....

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Sun, 7 Sep 2003 18:55:37 -0700 (PDT)
From: Mark Hogan <n5obc@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [157515] Re: [fpqrp] Sunday night net
Message-ID: <20030908015537.82035.qmail@web9606.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

where and when?

--- Lloyd Lachow <llachow@yahoo.com> wrote:
> --- Jerry Ford <benlightnd13@mchsi.com> wrote:
>
> > Anybody around for a net tonight??
>
>
> ya, sure, you betcha.
>
>
> oo
>
> -----
> Do you Yahoo!?
> Yahoo! SiteBuilder - Free, easy-to-use web site
> design software
> <http://sitebuilder.yahoo.com>

Do you Yahoo!?
Yahoo! SiteBuilder - Free, easy-to-use web site design software
<http://sitebuilder.yahoo.com>

Date: Sun, 7 Sep 2003 22:02:14 EDT
From: J38AL@aol.com
To: qrp-1@lehigh.edu
Subject: [157516] OT Help, Bendix Synchro RxTx
Message-ID: <35.3cf879da.2c8d3d26@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi all,

I have searched for info using google with no luck. I had a few pages of hook-up diagrams, but as you know, I will find them when I don't need them.

I have a pair of Bendix 23TRX 6a "Synchro Receiver Transmitters" that I want to use in a project. They are 115 volt - 60 Hz. I can't remember how to connect them and don't want to start by putting 115 v to just any terminals. Each motor has 5 terminals labeled R1, R2, S1, S2, S3, and a frame screw labeled G. I know they both have to get 115v and both have to be wired together, but what goes to what? TIA

72/73, AL N2ZHS
Scotia, NY

Date: Sun, 7 Sep 2003 22:09:35 -0400
From: "NZ8J" <nz8j@woh.rr.com>
To: <qrp-1@Lehigh.EDU>
Subject: [157517] Ten Tec Argo V Power output?
Message-ID: <03a701c375ae\$3fe81700\$6400a8c0@NZ8J>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,

I would like to know what others are getting for power output with the pwr control set to minimum? I get about 2 1/2 to 3 watts, is this normal?

Thanks

Tim

NZ8J

Date: Sun, 7 Sep 2003 21:19:51 -0700
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [157518] Building the NJQRP DDS
Message-ID: <011f01c375c0\$72bebfa0\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just finished up the daughtercard a few days ago. My second tiny chip; second AD9850 DDS, actually. I'm trying to come up with a clever name for TSSOP ... Too Small to Solder Or?????. I run out of imagination on the 'P'.

I'm scared to flow the solder on and then trust the solder sucker and/or solder wick, so I tin the pads first and then just apply heat but no solder with the actual chip in place. This works OK, but the solder on the tinned pads makes big convex hills that the chip's pins want to slide off of. At least until you get one or two soldered down. Then things go OK except, holy cow, I've lifted a pad and now the bit of metallic detritus is wedged in there between two pins. My eyes are going in and out of focus, maybe should have checked my horoscope before attempting this today? Turns out the lifted pad goes to a "no connection" pin, so my alert status level goes from orange back down to green.

While she's napping, I raid my wife's sewing basket for straight pins to use as ohmmeter probes and determine that all DDS pins go where they should and there are no pin to pin shorts. So the scary part's done.

The rest is over before I really get warmed up. This is truly a "one evening kit", to use a Heath expression. And I haven't seen such spoonfeeding since the glory days of Heathkit. Even *they* didn't have color coded parts.

But there's always room for one boneheaded mistake, if you're as persistent as me. There are four ways to install the eight pin header, three of them wrong. Of course, the silk screening clearly shows where to put it, but don't let that keep you from getting it on the wrong side of the board and/or, shifted by one hole. If you're a free thinker like me, that is.

That's minor though. And more or less corrected. Now, the main reason for buying this little thing is to give you a worthy project for some programming practice. You gotta send it frequency information somehow, right? I figure I'll dust off the source code on a DDS controller I wrote in 1992. Only now it looks like it was written by someone who knew neither proper programming practice nor English. This thing used the serial port to

do the bit banging. So I got it updated just enough for a trial run and am about to hook up the wires when I suddenly remember that the serial port outputs about -10 volts for logic 1 and +10 volts for logic 0. That can't be healthy for a chip expecting TTL. Back to the keyboard and program in a parallel port option. (The parallel port is TTL.)

All right, the primitive software is now ready to send out the phase increment for 7040 kHz. I push the button and see the nice sine wave on the oscilloscope. Now just a thousand more routines to change on my program to restore its full functionality.

I'm still struggling with it. Somehow, the DDS is reading garbage much of the time and landing on a totally unexpected frequency. Something wrong with the parallel port on this PC, or something wrong with my cabling? Time will tell.

More about programming it:

My first DDS used a scheme that made the info sent to the DDS the same as the frequency. That's because the phase increment needed by the DDS was:

$$PI = (\text{Frequency} * 2^{24}) / (\text{Clock freq}).$$

And the design made the clock frequency equal to 2^{24} (something over 16 MHz). So the phase increment that you send to the DDS was equal to the frequency. But for this DDS,

$$PI = (\text{Frequency} * 2^{32}) / (\text{Clock Freq}),$$

and clock frequency = 100 Mhz. So there's no way around doing a calculation. There may be a way to hammer it out with regular 8086 opcodes, but I've decided to learn something about the floating point coprocessor, which is kind of fun.

Once you get that phase increment calculated and converted back to a binary number, sending it to the DDS is a snap:

Set the data line equal to the lowest bit (logic 1 or 0)

Raise the clock line from 0 to 1

Lower the clock line from 1 to 0

Repeat for the other 31 bits.

Repeat for 8 logic zeroes (these are the control & phase bits)

Raise the load line from 0 to 1

Lower the load line

Done

Another difference between this DDS and the one I fooled with way back then

... That one had separate registers for two frequencies (for instance, "transmit" and "receive") and a single line (as in, T/R control) could make it swap between the two.

The AD9850 has only one memory for the phase increment. To go from transmit to receive will require banging in the full 40 bits each time. It can accept data pretty fast, so maybe it could do QSK, I don't know. But reading data sheets, I see that the AD9835 has two sets of registers and a single line selects between the two. That could be nice for fast T/R switching or FSK or whatever ... But the AD9835 is a lot slower. It takes a 50 MHz clock max, I think.

Heard enough? I thought so.

72--Nick, WA5BDU

Date: Sun, 7 Sep 2003 19:50:18 -0700 (PDT)
From: joe living <jliving2001@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [157519] Popcorn noise
Message-ID: <20030908025018.28494.qmail@web10602.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Group

I have been rummaging around in my junk box and lo and behold I found an old 40-9er from a few years back. A real legend tho not quite a "Tuna Tin Two"!

I put it together and got it working with a LM386 audio amp instead of the LM380. My problem is there a lot of "popcorn" noise that appears to be coming from the 386. I heard the same noise from the 380 as well. I seem to remember a short note in one of the ARCI quarterlies a few years ago describing this problem with op amps as audio amps as well a way to fix it. I can't find the article... so any ideas?

Joe KH6/W3GW
jliving2001@yahoo.com

Do you Yahoo!?

Yahoo! SiteBuilder - Free, easy-to-use web site design software

<http://sitebuilder.yahoo.com>

Date: Sun, 7 Sep 2003 23:01:41 -0400

From: "steve" <swells244@bellsouth.net>

To: <nkennedy@tcainternet.com>,

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [157520] Re: Building the NJQRP DDS

Message-ID: <001801c375b5\$89ec4900\$bb461244@steves17x513d0>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

P= position

----- Original Message -----

From: "Nick Kennedy" <nkennedy@tcainternet.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Monday, September 08, 2003 12:19 AM

Subject: Building the NJQRP DDS

> Just finished up the daughtercard a few days ago. My second tiny chip;
> second AD9850 DDS, actually. I'm trying to come up with a clever name for
> TSSOP ... Too Small to Solder Or?????. I run out of imagination on the
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> holy cow, I've lifted a pad and now the bit of metallic detritus is wedged
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>
> 72--Nick, WA5BDU

>
>
>
>

Date: Sun, 07 Sep 2003 22:47:21 -0400
From: Brad Thompson <Brad.Thompson@valley.net>
To: J38AL@aol.com,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [157521] Re: OT Help, Bendix Synchro RxTx
Message-ID: <5.0.2.1.2.20030907224254.021ea0f0@pop3.norton.antivirus>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello--

I'm really reaching for this, but IIRC the R1 and R2 go to the AC line; try to keep the relative phasing the same (e.g., R1 of unit 1 and R1 of unit 2 go to the AC line's hot side). R1 and R2 are the ends of the rotor windings.

The other connections are for a wye--connected stator-- that is, S1, S2 and S3 denote ends of stator windings, the other ends of which are internally connected inside the synchro. Again, IIRC, you connect S1 of unit1 to S1 of unit 2.

Don't quote me on this, as I'm not completely certain! I hope that someone else in the group can jump in....

73--

Brad AA1IP

At 10:02 PM 09/07/2003 -0400, J38AL@aol.com wrote:

>Hi all,

>

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>hook-up diagrams, but as you know, I will find them when I don't need them.

>

>I have a pair of Bendix 23TRX 6a "Synchro Receiver Transmitters" that I want
>to use in a project. They are 115 volt - 60 Hz. I can't remember how to
>connect

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>motor has 5 terminals labeled R1, R2, S1, S2, S3, and a frame screw
>labeled G. I

>know they both have to get 115v and both have to be wired together, but what
>goes to what? TIA

>
>72/73, AL N2ZHS
>Scotia, NY

Date: Sun, 7 Sep 2003 20:40:23 -0700
From: "Dave Martin" <k2zu@seanet.com>
To: "qrp-l" <qrp-l@Lehigh.EDU>
Subject: [157522] Re: Popcorn noise
Message-ID: <000301c375ba\$eff0ac00\$248c2640@davemartin>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Joe. I found an article from Sprat 79 to reduce the broad band hiss in the LM 386. It says all you need is a 10K resistor in series with a .01 cap from pin 8 of the IC to the "hot" side of the speaker. I haven't tried this yet but it might be of some help. Hope this helps.
Dave K2ZU

Date: Sun, 07 Sep 2003 19:31:04 -0800
From: Jim Larsen <JimLarsen2002@alaska.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [157523] Concerns about SuSE 8.2 discs being available on QRP-L
Message-ID: <3F5BF7F8.9030800@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Ah, what the heck...I like the occasional stuff like Linux on here. Seems if the Linux PC is in the shack it is just as valid as a tuner or radio or receiver or..., or..., or....

Why not let the list owner comment if he feels it is out of line and trust that he knows what he wants on this list better than we do.

Besides, if I ever get into Linux, I would rather ask my friends here than have to go to a new list of unknown people.

Sorry...just had to respond. I usually don't.

73, Jim
Jim Larsen, AL7FS
Anchorage, Alaska
<http://www.qsl.net/al7fs>

wrote:

> You know, I find it hard to see this (SuSE 8.2) as having anything to do with
radio
> or QRP activities.

Date: Sun, 07 Sep 2003 23:52:32 -0400
From: Jim Eshleman <jce0@Lehigh.EDU>
To: JimLarsen2002@alaska.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [157524] Re: Concerns about SuSE 8.2 discs being available on QRP-L
Message-ID: <3F5BFD00.5020704@Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Hi Jim,

I think the folks doing Chuck's Suse linux CD thing should post to the qrp-linux-l list (that's one of the reasons it was setup) and I'll likely just redirect any more of those posts there. Anyone looking to get hold of a set should ask there. I think most of those (118 members) on that list are QRP-Lers, so you'd be amongst friends there. I sure don't have anything against a linux Q and A here, or a longer thread if it's qrp-related, but any in-depth linux discussions should take place on qrp-linux-l. If it gets long-winded here I'll ask to move the thread over there.

73
Jim N3VXI

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> wrote:
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>> do with radio or QRP activities.
>
>

Date: Mon, 08 Sep 2003 00:08:00 -0400
From: Peter Burbank <peterlee@qx.net>
To: J38AL@aol.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [157525] Re: OT Help, Bendix Synchro RxTx
Message-ID: <5.2.0.9.0.20030907235237.009f6120@mail.qx.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:02 PM 9/7/2003, J38AL@aol.com wrote:

>Hi all,
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>I have searched for info using google with no luck. I had a few pages of
>hook-up diagrams, but as you know, I will find them when I don't need them.
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>labeled G. I
>know they both have to get 115v and both have to be wired together, but what
>goes to what? TIA
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>72/73, AL N2ZHS
>Scotia, NY

Al,
The 115 V goes to R1 and R2 on both synchros and S1 goes to S1 , S2 to S2,

and S3 to S3.

Since your units are labeled TX Rx it's hard to tell which they are meant to be used for. As I recall receivers had a damper mechanism internally to reduce dither. You might be able to feel the damper by rocking the shaft with your hand. It's not a critical issue for ham use tho.

73

Pete NV4V

Date: Sun, 7 Sep 2003 23:18:25 -0500
From: "Steve Yates - AA5TB" <aa5tb@arrl.net>
To: "QRP-L Distribute" <qrp-l@Lehigh.EDU>
Subject: [157526] Re: Ten Tec Argo V Power output?
Message-ID: <000301c375c0\$404218b0\$5837a6d8@MAIN>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Tim,

My Argonaut V can be set between about 1 and 3 watts at its lowest setting depending on the band. I have found the internal power meter to be very accurate however. I can set the power very accurately but it has to be reset when I change bands unlike my old TS-130V where I could set an internal ALC adjustment and be guaranteed 5 watts on every band.

73,

Steve Yates - AA5TB

Date: 06 Sep 2003 21:43:38 -0700
From: Rob Craver <kd7snx@earthlink.net>
To: message post QRP-L <qrp-l@lehigh.edu>
Subject: [157527] CW learning programs for redhat/linux??
Message-ID: <1062909817.5438.3.camel@localhost.localdomain>
Content-Type: text/plain
Mime-Version: 1.0
Content-Transfer-Encoding: 7bit

I put red hat 9.0 on my computer and am running a ventral machine for

widows 2000. But the problem is that i get absolutely no sound from windows 2000. It is set up right and all, but no sound. anyway, i can get ride of this problem by finding a cw learning program for Linux> does anyone know where i can get one??

--

Rob Craver
Kd7snx
www.qsl.net/kd7snx
qrp scQRPions

Date: Sun, 7 Sep 2003 21:53:11 -0700
From: "Doug Hendricks" <ki6ds@dospalos.org>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [157528] Major Donation for Kits for Kids!!
Message-ID: <002901c375c5\$1c4fba20\$1fdbd7a8@DOUG>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am very excited to announce that George Jones, KI6YK has made a major donation of equipment for the Kits for Kids program. George has donated the following HW-9 Series Station Equipment.

HW-9 Transceiver
PSA-9 Power Supply
HFT-9 Antenna Tuner
HM-9 QRP Wattmeter
SP-99 Speaker
HD1254 Coaxial Switch

This equipment is in excellent to mint condition, I would rate every piece at least a 9 out of 10. If you were walking by and saw this on a swap table, you would snap to attention and head directly for it, reaching for your wallet. Every piece is complete with the manual, and as far as I can tell is in original condition.

George wants the proceeds to benefit the Kits for Kids program, so this is what we are going to do. The entire station will be given away as the Pacificon Raffle Main prize at the AmQRP Hospitality room on Saturday night at Pacificon. Tickets are gonna be a \$5 bill with your call written on it. All of the bills will be put into a box, and Jim Cates will draw the winner out at 9:00 PM on Saturday night, Oct. 18th. You may enter as many times as you wish, but each entry must be a \$5 bill with your call written on it.

AmQRP will use the proceeds to fund our first official Kits for Kids kit, which is being designed right now by a very famous QRPer. We will use the funds to pay for boards and parts, and hopefully be able to give kits away to kids. I can't tell you who the designer is, but you all know him.

To get your \$5 ticket into the drawing, write your call on the ticket (\$5 bill) and send it to:

Doug Hendricks
Kits for Kids Fundraiser
862 Frank Ave.
Dos Palos, CA 93620

All funds will be used for the kits. Need not be present to win. And, if you want to send in \$10 and \$20 bills, or even checks (make them out to Doug Hendricks), I will take them to the bank and turn them into \$5 bills and write your calls on them for you. Deadline for entries is Monday, Oct. 13th.

Thanks again to George for his wonderful donation. Good luck, and I hope you win this beautiful station. 72, Doug

Date: Mon, 8 Sep 2003 01:15:25 -0500
From: "George, W5YR" <w5yr@att.net>
To: <nkennedy@tcainternet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [157529] Re: Elmer Question: Bi-filar balun
Message-ID: <017c01c375d0\$982c18e0\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

OF major importance with parallel-wire windings on a balun core is the Z_o of the winding. If a 4:1 balun is being designed for 50 ohm to 200 ohm operation, then the windings must have a Z_o of 50 ohms. The two windings would be fed in parallel at the input and seriesed at the output. It is necessary for the winding lengths to be "short" compared to a wavelength at the operating frequency.

Because a balun is not a regular transformer where turns ratios are involved, instead it is a transmission line transformer where the balun Z_o and the load impedance are the critical factors.

For example, a 4:1 balun as described above will operate as designed only when driven by a 50 ohm line and loaded with a 200 ohm balanced resistive load. It is "4:1" only for that particular set of values. Drive it with 75 ohm coax and load it with 300 ohms resistive and all bets are off. Put any reactance at the load and more bets are off.

The above facts tend to make me a strong champion of the simple 1:1 current balun. I let the balun take care of steering the r-f currents where they need to go and rely upon the tuner to take care of the impedance transformations.

What all this is leading up to is to agree with Nick, that the two wires in a bi-filar winding need not be of the same gauge. What ever combinations of wire sizes results in the required Z_0 for the winding is the right answer. W2FMI who has written more on baluns than anyone else frequently uses plastic tubing to adjust the spacing between conductors to obtain the Z_0 he requires. Same trick with large and small wire would work as well.

Nick, hope you stood the summer ok!

73/72, George

Amateur Radio W5YR - the Yellow Rose of Texas

Fairview, TX 30 mi NE of Dallas in Collin county EM13QE

"Starting the 58th year and it just keeps getting better!"

w5yr@att.net

----- Original Message -----

From: "Nick Kennedy" <nkennedy@tcainternet.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, September 07, 2003 10:23 PM

Subject: Re: Elmer Question: Bi-filar balun

> Yes, you have it right. Some diagrams show polarity dots. Where they do,
> you'll notice that a dotted end is connected to an undotted end. With
> bifilar windings, the two wires emerging at one end of the winding (either
> end, you pick) are dotted and the other two are undotted. The center of
the
> transformer (balun) has one of each connected together.
>
> It would make sense to have the wires the same gauge, but I'm not sure
I've
> never had 'em off by a number, so I could use different colors. But
purists

> are going to cringe and possibly try to burn you at the stake, so be
> careful.
>
> 72 & happy winding--
>
> Nick, WA5BDU

Date: Mon, 8 Sep 2003 08:49:46 +0100
From: "Leon Heller" <leon_heller@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [157530] Re: Elmer Question: Bi-filar balun
Message-ID: <Law15-DAV28J09N7sEa00008bfe@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Tom Mc" <thom2@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, September 08, 2003 12:42 AM
Subject: Elmer Question: Bi-filar balun

> Hi gang and thanks in advance for any help you may offer on this,
>
> I am building a St. Louis Tuner (Yes, I bought it seven years ago and
I'm
> just getting around to building it) and have come to the step which tells
me
> to wind a bi-filar 1:4 balun. I've wound it and all is ok, but my
question
> has to do with the connecting the 4 ends of the two wires to themselves.
> Here is how the instructions read:
>
> "Call one wire A and the other wire B. You will take the start of wire A
> and twist and connect it to the end of wire B, the other wire." It then
> goes on to tell you to strip and solder the the two wires together.
>
>
> If I am reading this correctly, it seems that I am NOT connecting the two
> wires than are "next to" each other at the end of the toroid. But rather
it
> seems I should take one of the wires from one end of the toroid (I'll call

> it the 'left' side if I'm laying the toroid flat in front of me) and
connect
> it to the other wire where it is at the other end (I'll call that the
'right
> side').
>
> Am I understanding this correctly?

Yes, that's correct. The end of one winding connects to the start of the
other, so that the two windings are in series, with a centre tap.

>
> Thanks for your help on this,
>
> Tom McCulloch, WB2QDG
>
> PS - I now can appreciate that I should have used one red and green
wire --
> If I had done this, would they have had to be the same gauge? That is,
> could I have used a 26 gauge red and a 22 gauge green enamel wire, if
that's
> what I had on hand?

It's best to use the same gauge, otherwist the characteristic impedance of
the transmission line (it's a transmission line transformer) will get
screwed up.

73, Leon

--

Leon Heller, G1HSM
leon_heller@hotmail.com
http://www.geocities.com/leon_heller

Date: Mon, 8 Sep 2003 08:56:19 +0100
From: "Leon Heller" <leon_heller@hotmail.com>
To: <jliving2001@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [157531] Re: Popcorn noise
Message-ID: <Law15-DAV51SF5NyyCf00038bfd@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "joe living" <jliving2001@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, September 08, 2003 3:50 AM
Subject: Popcorn noise

> Group

>

> I have been rummaging around in my junk box and lo
> and behold I found an old 40-9er from a few years
> back. A real legend tho not quite a "Tuna Tin Two"!
> I put it together and got it working with a LM386
> audio amp instead of the LM380. My problem is there a
> lot of "popcorn" noise that appears to be coming from
> the 386. I heard the same noise from the 380 as well.
> I seem to remember a short note in one of the ARCI
> quarterlies a few years ago describing this problem
> with op amps as audio amps as well a way to fix it. I
> can't find the article... so any ideas?

Do you mean "motorboating"? Try more decoupling on the LM386 - a largish capacitor (say 220 uF) across the supply pins and a 47R resistor to the supply. A low battery (high internal resistance) will also cause it.

73, Leon

--

Leon Heller, G1HSM
leon_heller@hotmail.com
http://www.geocities.com/leon_heller

Date: Mon, 8 Sep 2003 09:10:20 +0100
From: "Leon Heller" <leon_heller@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [157532] Re: Building the NJQRP DDS
Message-ID: <Law15-DAV59ucZTBnOw00008c46@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Nick Kennedy" <nkennedy@tcainternet.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, September 08, 2003 5:19 AM
Subject: Building the NJQRP DDS

> Just finished up the daughtercard a few days ago. My second tiny chip;
> second AD9850 DDS, actually. I'm trying to come up with a clever name for
> TSSOP ... Too Small to Solder Or?????. I run out of imagination on the
> 'P'.
>
> I'm scared to flow the solder on and then trust the solder sucker and/or
> solder wick, so I tin the pads first and then just apply heat but no
solder
> with the actual chip in place. This works OK, but the solder on the
tinned
> pads makes big convex hills that the chip's pins want to slide off of. At
> least until you get one or two soldered down. Then things go OK except,
> holy cow, I've lifted a pad and now the bit of metallic detritus is wedged
> in there between two pins. My eyes are going in and out of focus, maybe
> should have checked my horoscope before attempting this today? Turns out
> the lifted pad goes to a "no connection" pin, so my alert status level
goes
> from orange back down to green.

Remove the excess solder from the pads with desolder braid. Be careful, as
it's easy to lift the pads if you apply too much heat.

73, Leon

--

Leon Heller, G1HSM
leon_heller@hotmail.com
http://www.geocities.com/leon_heller

Date: Mon, 8 Sep 2003 05:49:19 -0600 (MDT)
From: Karl Larsen <k5di@zianet.com>
To: Rob Craver <kd7snx@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [157533] Re: CW learning programs for redhat/linux??
Message-ID: <Pine.LNX.4.44.0309080544050.4917-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On 6 Sep 2003, Rob Craver wrote:

> I put red hat 9.0 on my computer and am running a ventral machine for
> widows 2000. But the problem is that i get absolutely no sound from

> windows 2000. It is set up right and all, but no sound. anyway, i can
> get ride of this problem by finding a cw learning program for Linux>
> does anyone know where i can get one??

Hi Rob, good to see your name again. You can get to the site
with a linux version of the Koch cw learning tool from my web page. So
first with your browser connect to <http://zianet.com/k5di/> and then then
click on cw and on that page down aways click on linux. That will get
you to the right web page. Then d/l the Source Code and compile it on
your linux computer. The README and INSTALL are clear.

Send me email if you have any trouble.

>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Mon, 08 Sep 2003 08:39:02 -0400
From: "E. Roswell" <eroswell@monmouth.com>
To: qrp-1@Lehigh.EDU
Subject: [157534] Re: transistor question
Message-ID: <3F5C7866.8C41998D@monmouth.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Google finds spec sheet at:
<http://www.ee.washington.edu/stores/DataSheets/transistors/2n3393.pdf>
and other listings foe the 2N3391

Date: Mon, 08 Sep 2003 08:30:56 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: hubert.smits@zen.co.uk
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [157535] Re: Can you "test in" quality? (was: Re: Standard Integrated
Circuits..How Standard is Standard??)
Message-ID: <3F5C7680.6234562D@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You can do a lot of things in software testing that you cannot do as well with hardware. Testing to a predetermined outcome may work very well with software, I really don't know. Using Automatic Test Equipment with hardware is much the same idea, The Unit Under Test must meet its test spec or it fails. What is/was missing is the sort of adaptive test changes. With ATE they require reprogramming by the operator.

73

Date: Mon, 8 Sep 2003 09:46:00 -0400
From: "John Harper AE5X" <john@ae5x.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [157536] Re: Major Donation for Kits for Kids!!
Message-ID: <000301c3760f\$8a3df890\$6401a8c0@JOHN>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Will Tammy Wynette be donating any ham equipment?
;-)

John Harper AE5X
Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>

Date: Mon, 8 Sep 2003 07:14:23 -0700
From: "Frank" <fking@oregonvos.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [157537] Dilbert
Message-ID: <005901c37613\$81ab01b0\$f31ab1c6@D3C2ZN21>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Check out Dilbert in this morning's newspaper comic section.

72
Frank

AA7XA

Date: Mon, 8 Sep 2003 10:45:00 -0400
From: Michael Babineau <michael.babineau@sympatico.ca>
To: qrp-1@Lehigh.EDU
Subject: [157538] re:qrp field day aka Spartin Sprint II
Message-ID: <06052B66-E20B-11D7-871F-00039309268A@sympatico.ca>
Mime-Version: 1.0 (Apple Message framework v552)
Content-Type: text/plain; charset=US-ASCII; format=flowed
Content-Transfer-Encoding: 7bit

I like Steve's idea of a weekend afternoon Spartan Sprint.

Its pretty easy to find a couple of hours on the weekend
once a month ... a little harder to plan for a full 24hrs
of operation. The SS setup works really well ... maybe
we can just build on that as Steve suggests.

It would also be nice if this event would accommodate
a multi-transmitter club entry as this would be a great
activity for a club or group social get together in the park
with a couple of stations set up and some coffee and
doughnuts. It would give a chance for folks to do some
operating as well as socializing.

Michael VE3WMB

Date: Mon, 8 Sep 2003 10:49:52 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <fking@oregonvos.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [157539] Re: Dilbert
Message-ID: <003d01c37618\$7a7cd580\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Check out Dilbert in this morning's newspaper comic section.
>
> 72
> Frank
> AA7XA

Geesh, the one day I don't get in and read Dilbert before the news....

MOST excellent!

Mike

Date: Mon, 8 Sep 2003 08:08:21 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [157540] Re: Bifilar baluns
Message-ID: <MABBJOEABOILMKCJCLFCKEIOEMAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Has anyone seen either a table or a program for figuring out what gauge wires to use in parallel to achieve a particular line impedance? For 50 ohms, what would be a good wire size to use? Or 75 ohms, or whatever?
Thanks and 73
Bob N6WG

Date: Mon, 8 Sep 2003 09:57:51 -0600
From: kizerian@xmission.com
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [157541] Help! Elmer Needs Switches
Message-ID: <1063036671.3f5ca6ffa53d2@webmail.xmission.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

I am looking to buy some SPDT switches in quantity for an Elmer project. Trouble is they need to be made out of diallyl phthalate (DAP), usually red or light green in color instead of thermoplastic, usually blue. The thermoplastic jobs are cheap--around \$.50, but they are failing repeatedly under conditions imposed by inexperienced solderers. The blue switches melt with even a bit too much heat and eventually fail. Diallyl phthalate is a cast resin. You can hold an iron to it for a very long time without damage--just the ticket for those little hands learning how to solder (with "proper" supervision, of course).

So far, Mouser is the cheapest, part no. 108-1MS1T1B1M1QE, at \$1.20 each in lots of 100. I am desperately trying to keep costs down, so more folks can afford to build this project.

Any assistance directing me toward a cheaper source would be appreciated.

Thanks

Bruce kk7zz

Date: Mon, 8 Sep 2003 11:58:12 -0400
From: "Glen Leinweber" <leinwebe@mcmail.cis.mcmaster.ca>
To: <cbjohns@cbjohns.com>
Cc: "qrp-1" <qrp-1@lehigh.edu>
Subject: [157542] Re: SPICE simulation controversy
Message-ID: <000b01c37622\$01c59f00\$07ea7182@mcmaster.ca>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Craig,

I do use SPICE - mostly to get an understanding of circuit operation, and parameter sensitivity. For parameter variation, it is a good tool. 'Ol Bob Pease has strong opinions. I agree with a lot of what he says, but SPICE is often good for preliminary investigations.

Bob's arguments are based on folks not knowing the internal assumptions of SPICE models, and how modeling is done, and on proper modeling of circuit parasitics. But if you're familiar with models and their limitations, you have a good idea when SPICE isn't to be trusted.

Bob must also recognize that breadboard results aren't always to be trusted too - but he doesn't mention that often.

I often try radical circuits, poorly described in literature. SPICE

helps give some insight into fatal flaws. If there are none, then proceed to breadboard.

I think your attitude is good. As a learning tool, SPICE is quite helpful.

-Glen

Date: Mon, 8 Sep 2003 08:20:29 -0500
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-1" <qrp-1@lehigh.edu>, "FPigs" <fpqrp-1@mpna.com>
Subject: [157543] Here Piggie
Message-ID: <005501c3760b\$f9c10440\$0077da0c@mchsi.com>

Any piggies out there this morning??

It's 16:20 UTC and I have a couple of hours to kill before work.
I'm listening on 7.044 but I'll meet you where ever ya want.

What say ya FP's?

72 es oo Jerry N0JRN
FP # 546, ARS # 923, ARCI # 11049, ARRL,
Springfield, Mo. <http://home.mchsi.com/~n0jrn/>
MP + # 8, K 1 # 608, SW 20 +, TT 1340 , RM 20 &
40, Tiny Tornado 20, 30, 40, 80, SMK - 1
and so on and so on

Date: Mon, 08 Sep 2003 16:29:55 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: n6wg@earthlink.net, qrp-1@Lehigh.EDU
Subject: [157544] Re: Bifilar baluns
Message-ID: <Law15-F51NS0cbrj87n0003a200@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Bob Tellefsen" <n6wg@earthlink.net>
>Reply-To: n6wg@earthlink.net
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Re: Bifilar baluns
>Date: Mon, 8 Sep 2003 08:08:21 -0700

>
>Has anyone seen either a table or a program for figuring
>out what gauge wires to use in parallel to achieve a
>particular line impedance? For 50 ohms, what would be a
>good wire size to use? Or 75 ohms, or whatever?

The spacing comes into it, as well.

Here is a program that can calculate this sort of thing:

<http://atlc.sourceforge.net/>

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 423947

Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

Use MSN Messenger to send music and pics to your friends
<http://www.msn.co.uk/messenger>

Date: Mon, 8 Sep 2003 13:14:58 -0400
From: Howard Friedman <haf47@juno.com>
To: qrp-1@lehigh.edu
Subject: [157545] X-Beams Users- Info Needed
Message-ID: <20030908.131500.-873023.1.haf47@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For some strange reason I am really feeling the need to construct an X-Beam before winter sets in, an am seeking current/former users of this simple antenna as I have a couple of questions about it and don't wish to reinvent the wheel.

If you can help I would like to know:

1. Can electrical conduit be used for the X elements, or will the antenna fall apart quickly due to its weight?
2. My info shows a square piece of plywood used to mount the elements. What were the dimensions you used for this? Antenna will be for 20 Meters.

3. Did you insulate the driven element from the plywood? This is what I think should be done, but a local "guru" says it is not necessary.

Any help/advice greatly appreciated.

73, Howard WA2AFD

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Mon, 8 Sep 2003 09:27:50 -0500
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-1" <qrp-1@lehigh.edu>, "FPigs" <fpqrp-1@mpna.com>
Subject: [157546] Awsome QSO
Message-ID: <006801c37615\$62346ea0\$0077da0c@mchsi.com>

Tom (WB5KHC) you are da man !!

Thanks for stopping by. I really enjoyed the chat. Looking forward to the next one.
Have a super week and catch you again on 7.044 during mid day.

72 es oo Jerry NOJRN
FP # 546, ARS # 923, ARCI # 11049, ARRL,
Springfield, Mo. <http://home.mchsi.com/~n0jrn/>
MP + # 8, K 1 # 608, SW 20 +, TT 1340, RM 20 &
40, Tiny Tornado 20, 30, 40, 80, SMK - 1
and so on and so on

Date: Mon, 08 Sep 2003 13:39:52 -0400
From: John Farnsworth <jfarnsworth@direcway.com>
To: qrp-1@Lehigh.EDU
Subject: [157547] DDS Experimenters Kit - Anybody Else want one? (kinda long)
Message-ID: <DIEHLGHLBGNJENLGEKBKEPKCAAA.jfarnsworth@direcway.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

All of the kits for Trevor's DDS VFO have been finished and shipped.
Altogether there were 43 kits made, in 3 builds.

There were quite a few people that didn't get kits, due to requests coming in after parts orders were placed. If there are enough of you intrepid builders out there that are interested in a kit of parts, we may do one more build, to get everybody on board. If you are interested, send me an email off list, jfarnsworth@direcway.com, and I'll add you to the list. In a couple of days we should know if we can economically do another one and I'll let you all know.

In case you missed the earlier post, this is a kit of parts for Trevor Jacob's DDS VFO project. This is not the AmQrp "DDS Daughtercard", which is very flexible and will be the subject of many new projects using the NJQRP Quickie Lab (www.njqrp.org/quickielab) which also has quadrature outputs; this kit is for a standalone complete VFO/signal generator with its own display, inputs and internal software. If you want RF without having to hook it to some intelligence, this may be just the thing for you. Check out the details on Trev's web site, <http://www.qsl.net/kg6cyn> or Jim's construction help at <http://www.qsl.net/n5ib>. The kit of parts is not complete, as many of you will want to procure or already have some of the major items. The kit consists of most of the "jellybean" parts.

It's shorter to list what the kit DOESN'T have:

- PCBs
- DDS Chip (Get for free from Analog Devices)
- Rotary encoder
- Handwound toroids, L1 and L2
- LCD Display
- ERA-1 mmic (output buffer)
- Programmed CPU

Most of the above items are/were available in other kits, so weren't included in this kit.

Anyway, the kit is \$35.00 postpaid to just about anywhere a person would want to live, and they usually ship as soon as I get your check, assuming we get enough people interested and go forward.

If you are interested, send me an email off list and we'll get a count and see if we can do one more kitting.

73's, John Farnsworth KW2N

Date: Mon, 8 Sep 2003 11:38:21 -0700 (PDT)

From: Bob Sellars <kb2fel@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [157548] Re: Ten Tec Argo V Power output?
Message-ID: <20030908183821.83751.qmail@web80604.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

With power set to min, I get one watt on the button.

Bob
KB2FEL/8

CW the oldest digital mode around

<http://www.geocities.com/kb2fel/kb2felqrp.html>

--- NZ8J <nz8j@woh.rr.com> wrote:
> Hi,
> I would like to know what others are getting for
> power output with the pwr
> control set to minimum? I get about 2 1/2 to 3
> watts, is this normal?
> Thanks
> Tim
> NZ8J
>
>

Do you Yahoo!?
Yahoo! SiteBuilder - Free, easy-to-use web site design software
<http://sitebuilder.yahoo.com>

Date: Mon, 8 Sep 2003 19:06:58 +0100
From: "M. J. Powell" <mike@pickmere.demon.co.uk>
To: haf47@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [157549] Re: X-Beams Users- Info Needed
Message-ID: <z40LF4BCVMX\$EwZw@pickmere.demon.co.uk>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed

In message <20030908.131500.-873023.1.haf47@juno.com>, Howard Friedman
<haf47@juno.com> writes

>For some strange reason I am really feeling the need to construct an
>X-Beam before winter sets in, an am seeking current/former users of this
>simple antenna as I have a couple of questions about it and don't wish to
>reinvent the wheel.

>

>If you can help I would like to know:

>

>1. Can electrical conduit be used for the X elements, or will the antenna
>fall apart quickly due to its weight?

>

>2. My info shows a square piece of plywood used to mount the elements.

>What were the dimensions you used for this? Antenna will be for 20

>Meters.

Will the glue in the plywood fail in the rain? If so, use marine ply.

Mike

--

M.J.Powell

Date: Mon, 8 Sep 2003 14:01:26 -0600

From: kizerian@xmission.com

To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [157550] Re: HOMEBREWER issue #1 sold out

Message-ID: <1063051286.3f5ce016a22be@webmail.xmission.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 8bit

AmQRP received my payment on 12 Aug for my subscription. Did anyone else
who sent their payment around this time NOT receive an issue. Just curious.

Bruce kk7zz

Date: Mon, 8 Sep 2003 16:08:10 -0400

From: "Noyce, Bill" <william.noyce@hp.com>

To: <qrp-1@Lehigh.EDU>, <Dave@SmallWonderLabs.com>

Subject: [157551] Re: White Mountain, Freq-Mite & AGC

Message-ID:

<6D6463F31027B14FB3B1FB094F2C74470347AFE0@tayexc17.americas.cpqcorp.net>

content-class: urn:content-classes:message

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

More than a month ago I posted a question about a problem I was having with my SWL White Mountain SSB rig. Several people wrote telling me to do what I should have known to do from the beginning -- ask the designer, Dave Benson. I did so, and he came right back to me with some questions. After some fumbling on my part, I answered them, and he promptly concluded the problem was simply that the AGC was adjusted "too tight" -- ie, its trimpot had been set for too low an audio level. Since I was in the middle of another project, I didn't take the 5 minutes to unscrew the lid and tweak the pot until last week -- and when I did, I found I could completely solve the problem.

So, this note is to say "Thanks, Dave" and reiterate my appreciation for the rig and your support.

-- Bill, AB1AV

just a happy user of WM-80, WM-20, SW-40+,
RM-40, RM-20

Date: Mon, 8 Sep 2003 16:24:32 -0400
From: "Howard Kraus" <K2UD@adelphia.net>
To: <hamjoel@juno.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [157552] Re: dx at last...
Message-ID: <008301c37647\$366a5640\$df141443@buf.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Did you get wet? Hehe.

72

Howard Kraus, K2UD

----- Original Message -----

From: "Joel M Denison" <hamjoel@juno.com>

> CROSSED THE POND ON A MOXON....

>

> -----

> The best thing to hit the internet in years - Juno SpeedBand!
> Surf the web up to FIVE TIMES FASTER!
> Only \$14.95/ month - visit www.juno.com to sign up today!
>

Date: Mon, 8 Sep 2003 16:48:44 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <kizerian@xmission.com>
Subject: [157553] Re: HOMEBREWER issue #1 sold out
Message-ID: <029601c3764a\$984349f0\$080044c0@BrianBoru>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bruce

My check went out in that same sort of time frame, and Uncle Sam's snails still haven't brought an issue up here to the tundra, either. I'm not stressing over it yet because it seems like I'm usually last on Uncle's list. Their web site says I have 3 issues left after #1, so I assume #1 is wending it's way over hill and dale.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: <kizerian@xmission.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, September 08, 2003 4:01 PM
Subject: Re: HOMEBREWER issue #1 sold out

> AmQRP received my payment on 12 Aug for my subscription. Did anyone else
> who sent their payment around this time NOT receive an issue. Just
curious.
>
> Bruce kk7zz
>

End of QRP-L Digest 3037
